

CALIFORNIA DEPARTMENT OF TRANSPORTATION
OFFICE OF STRUCTURES
FOR OFFICIAL USE ONLY

MAXIMUM CREDIBLE ROCK ACCELERATION
FROM
EARTHQUAKES IN CALIFORNIA

ROGER GREENSFELDER - CALIFORNIA DIVISION OF MINES AND GEOLOGY

1972
REVISED AUGUST, 1974
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LEGEND

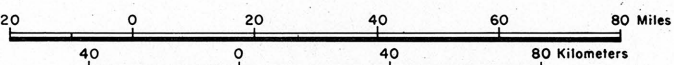
POTENTIALLY ACTIVE FAULTS
? NAME (S) ?

Approximately located
Number in parentheses is the maximum expected earthquake
magnitude for the fault.
Lines and arrows divide the San Andreas fault into four tectonic
sections.
Queries at the ends of a fault indicate lack of strong evidence
for its activity.

BEDROCK ACCELERATION CONTOURS

Units are decimal fractions of the acceleration of gravity, from
0.10g to 0.50g. (0.10g contour added by Department
of Transportation for official use only.)
PREDOMINANT PERIOD OF BEDROCK ACCELERATIONS
Acceleration range Predominant period
0.20-0.25 0.35 seconds
0.1-0.25 0.40 "

Mean duration of motion=20-30 seconds



THIS MAP IS TENTATIVE AND RELIES HEAVILY ON THE AUTHOR'S
SUBJECTIVE EVALUATION OF FAULT ACTIVITY. IT IS INTENDED
AS A TOOL FOR OFFICIAL USE ONLY. IT IS NOT INTENDED FOR
DIRECT ENGINEERING USE WITHOUT CONSIDERATION OF FOUNDATION
CONDITIONS AND TYPE OF STRUCTURE.

- INCORPORATED CITY
- COUNTY SEAT
- UNINCORPORATED

- STATE HIGHWAYS
- PROPOSED STATE HIGHWAY GENERAL ROUTE DETERMINED
- PROPOSED STATE HIGHWAY GENERAL ROUTE NOT DETERMINED

